

Index 630-001 Conduit Installation Details

Design Criteria

National Electrical Manufacturers Association (NEMA), National Fire Protection Association, NFPA 70® National Electric Code (NEC), and National Electrical Safety Code (NESC)

Design Assumptions and Limitations

Index 630-001 provides requirements for installation of buried (i.e., underground) conduits used for Department signing, lighting, and signalization. See **Specification 630** for additional requirements. For conduit installed in conjunction with Intelligent Transportation Systems (ITS), see **FDM 233**.

For embedded conduits (i.e., conduit installed within concrete barriers or traffic railings), see applicable barrier/railing **Standard Plans**. Use buried conduits in accordance with **Index 630-001**, and other applicable **Standard Plans** (e.g., **Index 715-002, Standard Aluminum Lighting**) for all conduits except for embedded conduits in bridge traffic railings or retaining wall mounted concrete barriers. See **Index 630-010** and associated **Standard Plans Instructions** for additional information on embedded conduits.

Plan Content Requirements

For each run of conduit place a call-out in the Plans which includes the pay item, # of runs, and the length of the run. The default diameter for buried conduits is 2 inches. All other diameters should be noted in the call-out. For example:

- 630-2-11 (2 runs of 4" @100'), or
- 630-2-11 (2 runs @ 90').

Payment

Item number	Item Description	Unit Measure
630-2-AB	Conduit	LF

See the **BOE** and **Specifications** for additional information on payment, pay item use and compensation.